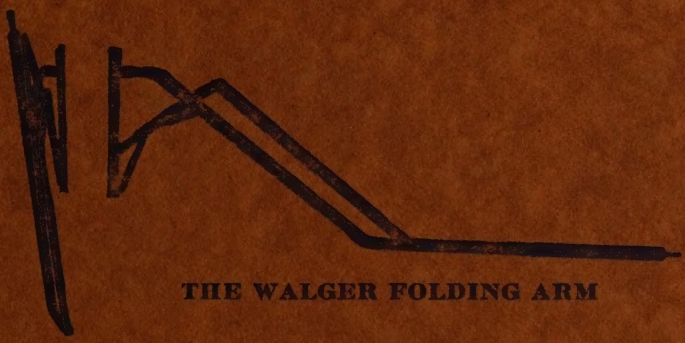
THE WALGER NEW MODEL



THE WALGER FOLDING ARM

WALGER AWNING CO.

215 to 219 W. OHIO STREET

CHICAGO

COLUMBIA PRINTING CO., CHICAGO

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WALGER AWNING CO.

215 to 219 W. OHIO STREET

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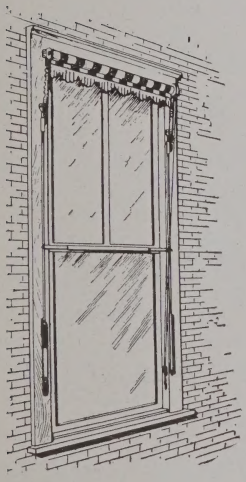
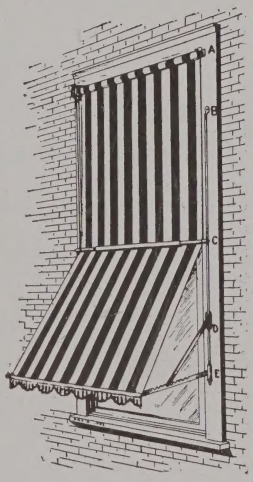
MANUFACTURERS AND PATENTEES OF

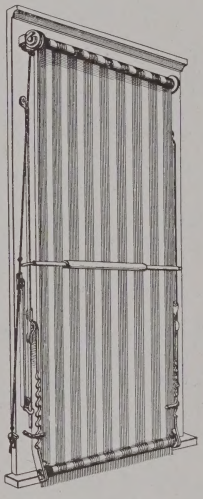
The Walger New Model Awning



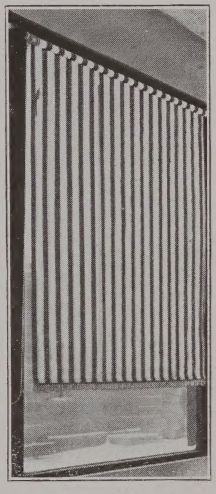
WHEN UP



WHEN DOWN



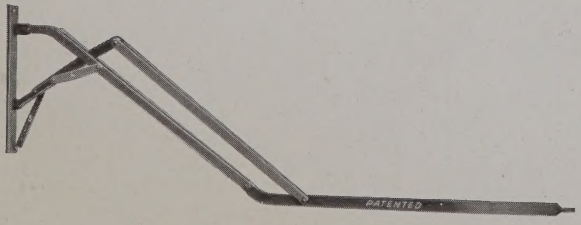
In Connection With New Model Fastener



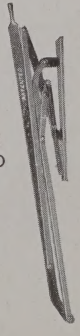
Used As Inside Shade

AND

The Walger Folding Arm



IN EXTENDED POSITION



WHEN FOLDED UP

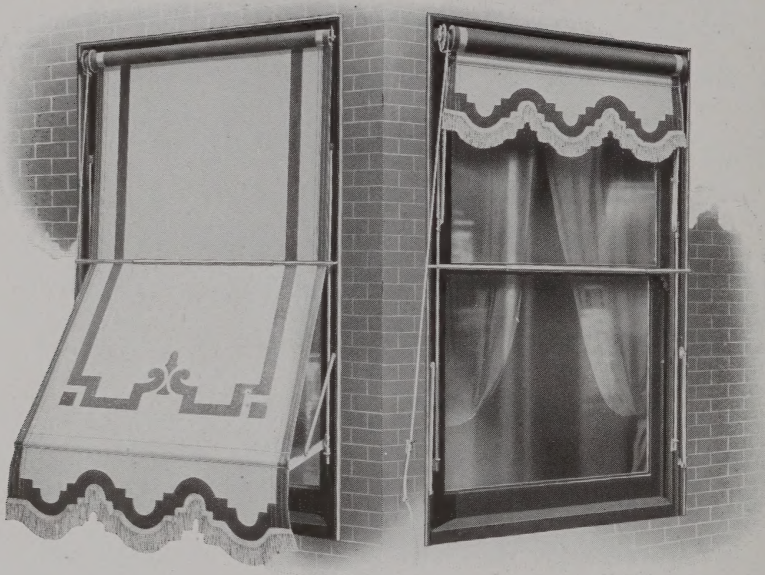
HIS BOOKLET is dedicated to all friends of the WALGER NEW MODEL AWNING. Its purpose is to give a helping hand for making the New Model known all over the country.

Any one, new in the business, is liable to encounter difficulties in one way or another. There our booklet shall give advice and counsel as to suitable fixtures, proper way of installation, etc., without losing time by writing back and forth.

At the same time we wish to devote a few lines to our new WALGER FOLDING ARM to be used in connection with rope awnings, gear and chain roller awnings, and spring roller awnings, and we hope that it will become as popular as our NEW MODEL AWNING.

We trust that our booklet will answer the purpose, and help to increase the number of our friends.

WALGER AWNING CO.



We furnish STENCILED and FANCY AWNINGS of every description. Estimates furnished.

INTRODUCTORY

Before taking up the matter relative to our regular or special fixtures, and advice on particular cases, we beg to summarize the strong points of the WALGER NEW MODEL AWNING in concise form. Its advantages can easily be grouped together into the following five points:

APPEARANCE—SERVICE—COMFORT
SAFETY—ECONOMY

a specification of which follows:

APPEARANCE

Being partly hidden behind arch and jamb, the NEW MODEL detracts nothing from the feature of a building.

Being rolled up or stretched tightly, the NEW MODEL does away with the ugliness of the old fashioned awning.

Being fastened at the top of the window, the NEW MODEL does not hide the view.

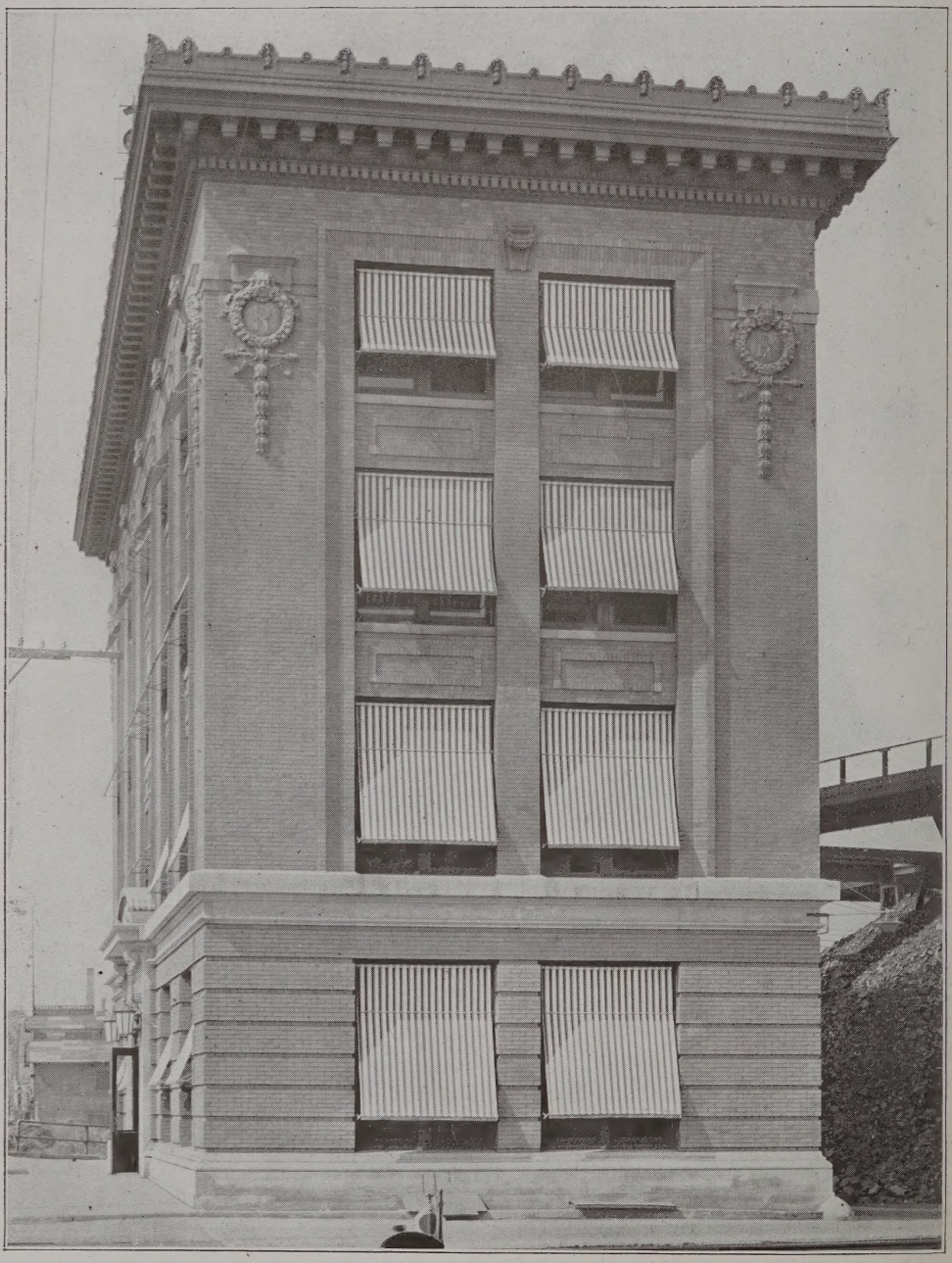
By selecting a harmonizing or contrasting color or design, the NEW MODEL helps to accentuate the architectural beauty of a building.

SERVICE

Owing to its construction, the NEW MODEL assures smooth and easy operation.

By attaching braces, the NEW MODEL is storm-proof and noiseless.

Being simple in construction, the NEW MODEL is not liable to get out of order.



The C. Reiss Coal Co., Sheboygan, Wis.

COMFORT

Coming down to about 12 inches above the sill, the NEW MODEL gives better protection than any other awning.

Being open at the top and both sides, the NEW MODEL **ADMITS FRESH AIR,** and **ASSURES PERFECT VENTILATION** of the room.

Being tightly stretched, when down, the NEW MODEL does not cause any noise by flapping and rattling.

The upper half of the awning cloth being in a vertical position and acting as a prism, the NEW MODEL does not darken the room.

Being tightly stretched, the NEW MODEL prevents the unsteadiness of light, caused by flapping.

SAFETY

Being rolled up tightly, the NEW MODEL has no folds where lighted matches or other destructive agents, thrown from a window, could find a lodging, setting the building on fire.

For the same reason, the NEW MODEL gives no chance to sparks from engines to set it on fire, a special reason to adopt it for depots.

ECONOMY

Provided other awnings are made of the same high grade material, the NEW MODEL is not more expensive than other awnings.

Being rolled up tightly, the NEW MODEL does not collect soot, dust, or water, thus preserving the cloth.

Residence of Charles Wallace Cook, Evansville, Ind.

Being installed between the brick at the top of the window, the NEW MODEL is protected from drippings.

Being braced up tightly, the NEW MODEL does not cause any friction, thus not wearing through the cloth.

Equipped with a wooden roller, the NEW MODEL prevents steady moisture of the cloth.

Hanging in two brackets like a common shade, the NEW MODEL can be taken down and rehung by any one, thus not incurring expenses for a professional awning man.

Roller and cloth being the only parts to be stored, the NEW MODEL requires but a very little space for storage.

Requiring one straight piece of cloth only, the NEW MODEL can be reversed when faded out on one side.

Requiring less cloth than old fashioned awnings, the NEW MODEL can be recovered for one-third of the cost of an old fashioned awning.

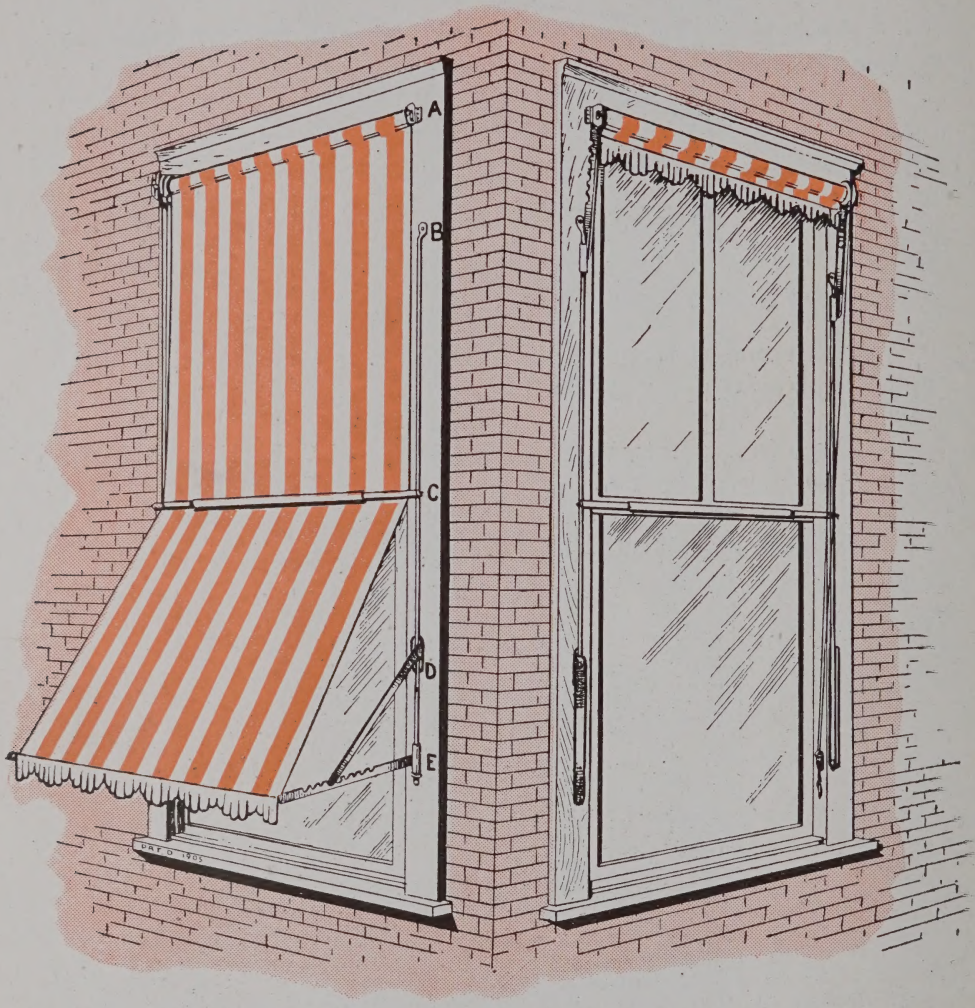
There are other points of importance to be considered.

For reasons of safety, the NEW MODEL is strongly recommended by the Board of Fire Underwriters.

Being put up at the top of the window, the NEW MODEL does not interfere with the work of window cleaners, a special reason why architects adopt our awning.

On account of the peculiar construction, the extension of the NEW MODEL can be regulated independent of the height of the window. For that reason, the NEW MODEL can be used in cases where but a limited space for extension is available.

The Walger New Model Awning



The New Model Awning is made to order from ¼-inch to ¼-inch in width, and from 1-inch to 1-inch in length. Wishing to uphold the strong points of our awning, and to live up to our guarantee in every respect, we like to limit the dimensions of our awning to 10 feet in length and 10 feet in width.

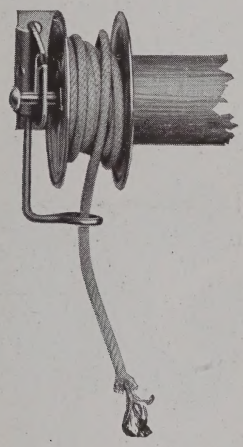
Awnings 10 feet long will afford sufficient protection for windows up to 12 feet in height, using larger extension arms (see page 16) in such cases.

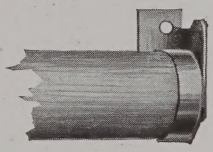
If the New Model is required for openings wider than 10 feet, it is put up in sections, using a divider (2x4) between sections.

On special request we make New Model Awnings up to 12 feet in width, using a center support to strengthen roller, but we cannot guarantee same as to being perfectly storm-proof.

Construction and Operation

The simplicity of construction makes the NEW MODEL AWNING the most reliable awning on the market. The awning cloth is securely fastened to a wooden roller, made of white pine, and guaranteed not to warp. The roller, carrying a reel on the right hand side, rests in two brackets, and is worked by a cord as shown on cut below. We use a cotton cord with wire cable center, neither stretching nor breaking.





After cord is unhooked, the awning slides down through its own weight, the upper half of the cloth being held in a vertical position by the stay rod (C, and D following, refer to illustration on opposite page), the lower part dropping out and extending. After cord is secured, and braces (D) attached, this awning is storm-proof and noiseless.

To raise awning, unhook cord which will allow braces enough play to drop out automatically, pull cord, and the awning will easily slide up to the top of the window.

NO SPRINGS being used, parts are, therefore, not liable to get out of order. All metal parts are treated by the best process known to resist rust.

GUARANTEE

On account of the simple construction of our awning and the strength of every part, we are in a position to guarantee fixtures for a term of five years.

On the following pages we are demonstrating the particular features of the New Model Awning Fixtures, and stating different sizes and weights in which single parts are made up. This will simplify the selection of suitable fixtures in special cases.

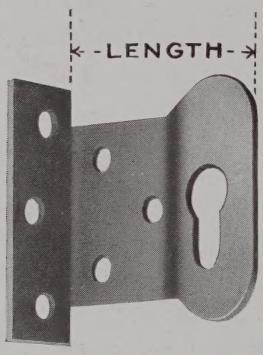
Whenever single parts are made up in different sizes, the standard size, marked with a cross (+), will be furnished unless special sizes are requested.

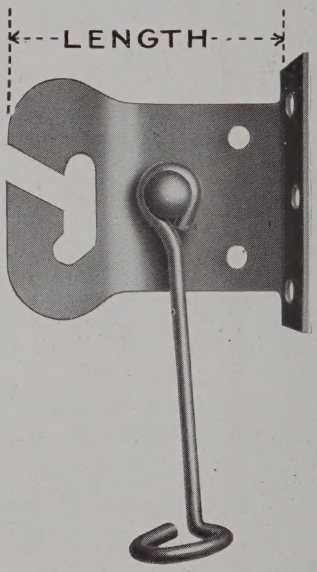
LEFT BRACKET

RIGHT BRACKET

With Cord Guide

("A" on cut shown on page 12.)





Brackets are made up in the following sizes:

No. 1. 2″ long (+)
No. 2. 2½″ "
No. 3. 3½″ "
No. 4. 5″ "

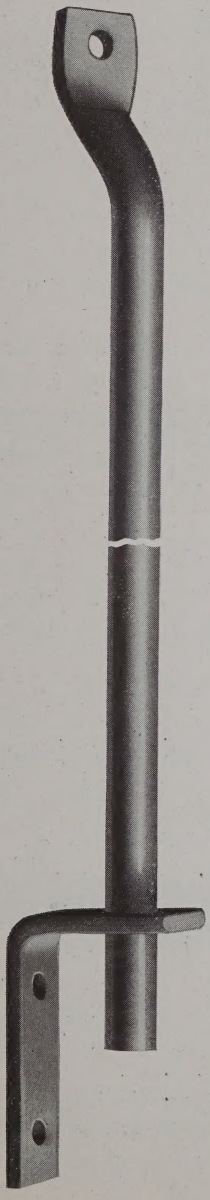
Brackets can be fastened with nails or screws. Two long nails or two screws will be sufficient, using whichever holes are convenient. Angle can be bent to suit any position.

When obstacles, as ornaments, fancy mouldings, etc., on the top of the window require more space between roller and window frame, longer brackets ought to be used. The same applies to windows with bent glass.

It may also be advisable to use brackets 2½ inches or longer in cases where awnings are installed in connection with full size screens (see page 21).

SLIDE ROD WITH SLIDE ROD ANGLE

("B" to "E" on cut shown on page 12.)



The slide rod is fastened by one nail or screw at the top, the lower end being held by an angle as shown on cut. The slide rod allows swivel, attached to ratchet arm (see page 16), to slide up and down.

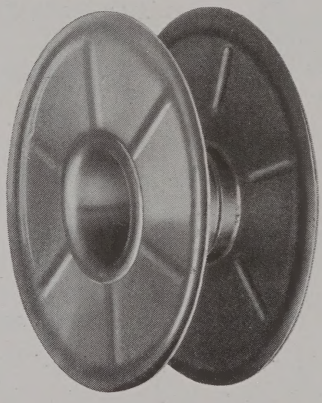
Length of slide rod depends on length of awning and ratchet arm. The proper length for slide rod in connection with 19-inch arm is 18 inches less than length of awning, in connection with 26-inch arm 24 inches less, and in connection with 36-inch arm 36 inches less.

When ordering separate slide rods, be sure to state whether you are giving their exact length, or length of awning for which slide rods are to be used.

CORD REEL

Attached to Wooden Roller

(See page 13.)



The reel to take up cord is made in two sizes:

2¾" and 3½" in diameter.

The 2¾" reel is used for awnings up to 7'6" in length; the larger reel for longer awnings will be furnished accordingly.

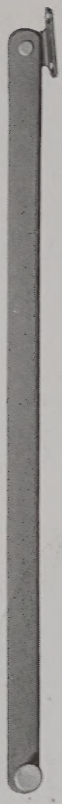
CORD HOOK

The cord hook is shaped like an angle with a slit in the horizontal part to hold cord as demonstrated on cut.

We furnish special cord fasteners for inside (see pages 21 and 25).

RATCHET ARM AND BRACE

("E" and "D" on cut shown on page 12.)



BRACE

Ratchet arms and braces of the following sizes and weights are carried in stock:

Regular:

19″ arm with 15″ brace (+).
25″ arm with 22″ brace (10c extra per set.)

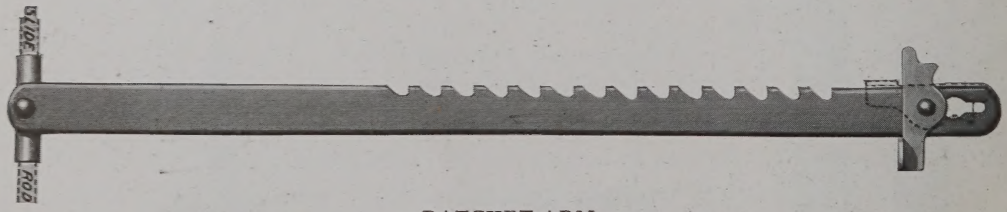
Special, extra heavy:

19″ arm with regular 15″ brace (10c extra per set.)
25″ arm with regular 22″ brace (25c extra per set.)
36″ arm with heavy 30″ brace (55c extra per set.)

The 19″ arm with 15″ brace is the proper extension for windows of regular height. For windows 7′6″ and higher we recommend our 25″ arm with 22″ brace. 36″ arms with 30″ braces are to be used for store fronts and porches.

If arms of special length are required, we can furnish any length up to 36″.

It is an important feature of the New Model that its extension can be regulated independent of the height, and, consequently, can be used even in cases where but a very little space for extension is available.

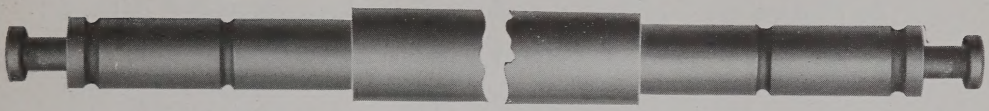


RATCHET ARM

The lock on the right end of ratchet arm is shown in an open position, ready to take up the shoulder ends of awning rod (see page 17). After awning rod is inserted, close lock by pushing it in position indicated by dotted line.

Opening, respectively, closing of lock is the only operation of fixtures necessary to take down and rehang awnings (see page 26).

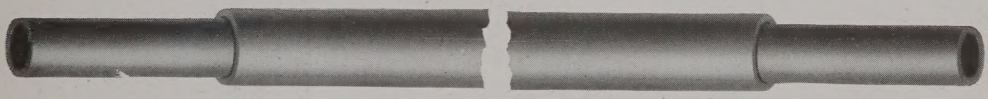
AWNING ROD



The awning rod consists of telescoping tubing, being held in position by a device inside of tube, and is adjustable up to about 8 inches. The awning rod is inserted in a pocket at the bottom of the awning, both shoulder ends being attached to ratchet arms by closing locks (see page 16).

STAY ROD AND STAY ROD HOOKS ("C")

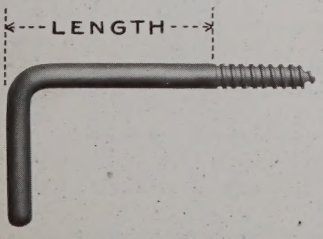
(Shown on page 12.)



The stay rod is of the same construction as the awning rod with the exception of the two ends, being open and attached to hooks. The stay rod, being fastened in the center of the window, holds the upper part of the awning cloth, when down, in a vertical position.

We furnish screw hooks or plate hooks, whichever are desired. Plate hooks should be asked for where hooks cannot be screwed in on account of limited space.

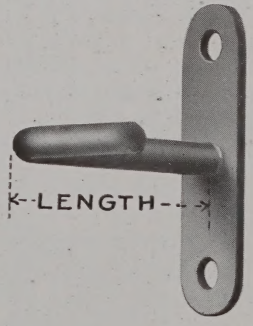
We carry in stock



Screw Hooks
2″ long (+).

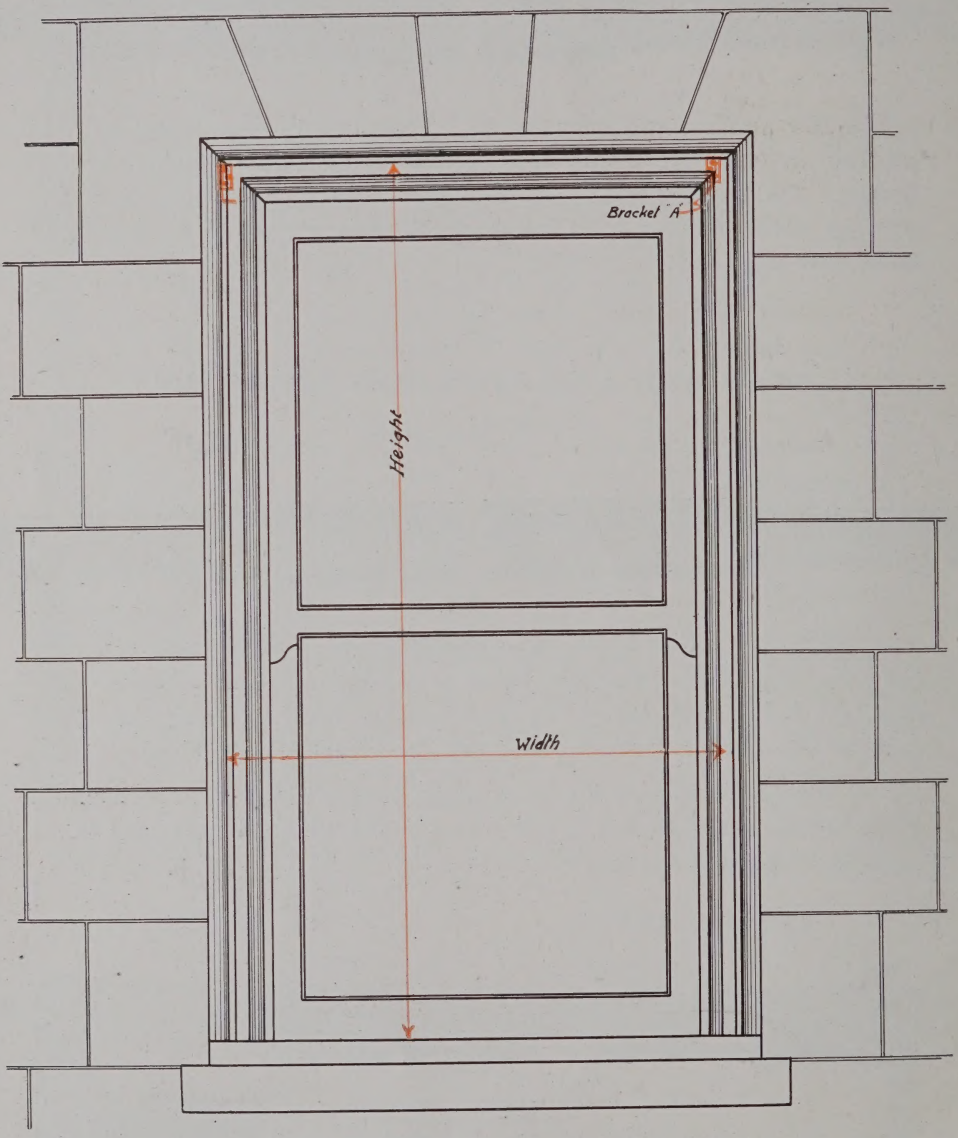
Plate Hooks

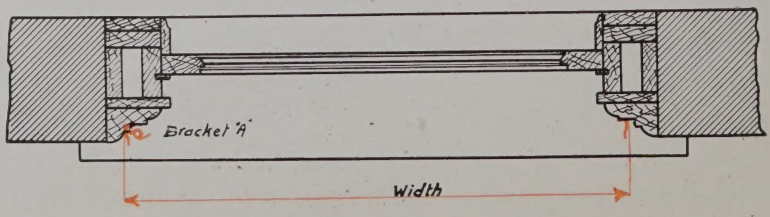
No. 1. 2″ long.
No. 2. 3″ long.
No. 3. 4″ long.
No. 4. 5″ long.



Longer stay rod hooks are to be used for windows equipped with full size screens (see page 21), and for windows with bent glass.

To Insure Correct Measurement, Please Follow Our Directions As Shown on Cut Below and Explained on Opposite Page





INSTRUCTIONS FOR TAKING MEASUREMENT

For Brick Buildings

All fixtures are fastened to the wooden window frame. Brackets ("A") ought to be fastened at least ¾ inch from the brick which will allow awning enough play. Look, therefore, for a convenient place to fasten brackets as indicated on cut. For **width take accurate measurement** between the two points where brackets are to be fastened, and **we** will make the proper allowance.

Height is to be given from top to sill.

In cases where metal frames occur, see our special instructions on pages 22 and 23.

For Frame Buildings

Measure from center to center of casing which is the proper place to fasten brackets.

Height is to be given from inside to inside of casing.

When ordering awnings, state whether awnings are for brick or frame buildings.

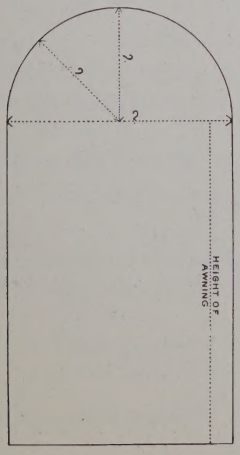
Our brackets can be bent to suit any shape of moulding. On request we furnish longer brackets and stay rod hooks to overcome obstacles, as ornaments, etc. (see pages 14 and 17).

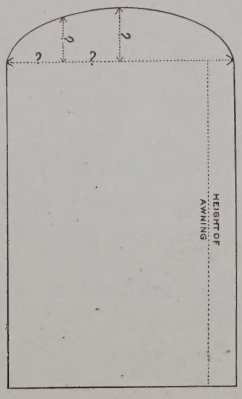
Measurement for RECOVERS are to be given the same way, **we** to make the necessary allowances.

Special Instructions for Round Top Windows

To cover curved top sections of windows, we furnish separate flat top pieces or hoods. Eyelets are provided to fasten same with screw eyes to wooden frames; if to be fastened to metal or brick, additional top rods will be furnished.

(Regarding flat top pieces, kindly refer to cut of the Perry Hotel on page 52; regarding hoods, to cut of the Relleum Building on page 16 of our 64-page catalogue.)



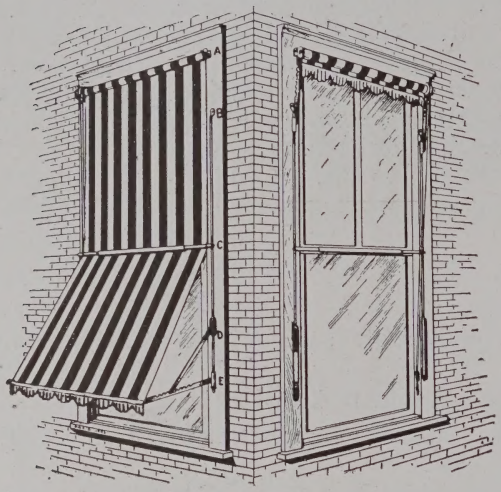


Measurement. Measure for awnings as instructed above except for height, which is to be given from sill to the point where curve starts.

Size for flat top pieces and hoods are to be given as indicated on cuts. We must have the three, respectively four dimensions asked for to avoid misfits.

We furnish measurement blanks for round top windows on request.

DIRECTIONS FOR INSTALLING AWNINGS
ON WOODEN WINDOW FRAMES



(PATENTED)

1. Nail on bracket (A). Bracket with cord guide to go on right side. Be sure that brackets are level.

2. Hang up awning, put cord through cord guide on right bracket, and let awning hang down straight; then measure for 19″ arms 7 inches (for 25″ arms 9 inches) up from fringe, to get position for angle (E) in a line with bracket (A).

3. Insert slide rods in swivels of ratchet arms (one right and one left).

4. Place slide rod in angle (E), and nail slide rod at a point (B) not more than 14 inches below bracket for 19″ arms, not more than 21 inches below bracket when 25″ arms are used.

5. When ratchet arms measure 19 inches, nail brace (D) 10 inches above angle, and if arms measure 26 inches, nail brace 12 inches above angle outside of slide rod.

6. Put hooks (C) to hold stay rod ¼″ outside of slide rod as shown on cut.

7. Lock shoulder ends of bottom rod of awning in key holes of ratchet arms (see page 16).

8. Fasten cord hook on right side at a convenient point under angle (E) and near bottom of window.

9. Pull awning up tight, and fasten cord; this is done by making a knot in cord and sliding same in notch of cord hook.

10. Unhook cord, let awning down until it projects at right angles like shown on cut, and place another knot in cord to hold it in position.

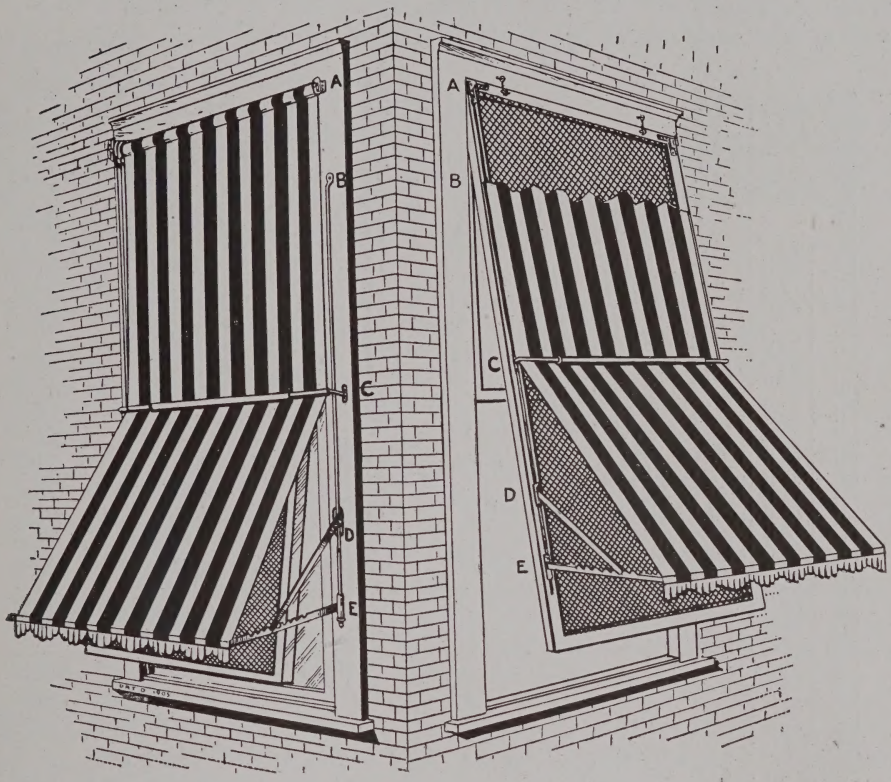
ANGLE (E) SHOULD NOT BE LESS THAN 12 INCHES ABOVE WINDOW SILL. IF CLOTH SHOULD BE TOO LONG, ROLL SAME AROUND ROLLER AND RE-TACK IT.

If fixtures are put up straight, and awning does not roll even, cut off one inch of cord and tack on end of roller where cloth seems longer.

Angle of bracket (A) and swivel of brace (D) can be flattened or bent to suit any position.

If construction of frame is not strong enough, and screws should be used instead of nails, kindly state on your order.

Instructions for Installing the New Model Awning on Windows Equipped With Full Size Screens



As shown on cut above, full size screens are no obstacle to our awning. By hinging screens on top, awning can be operated with the same ease, whether in connection with or without full size screens. Hinging of screens also makes cleaning of windows outside possible.

There are two ways to install the New Model in such cases. Fixtures can be fastened to the window frame in the regular way. Instead of using our regular stay rod hook (C), we furnish longer hooks and, if necessary, longer brackets (A), to allow screen to swing out far enough to reach cord and braces from inside, as demonstrated on the left window of above cut.

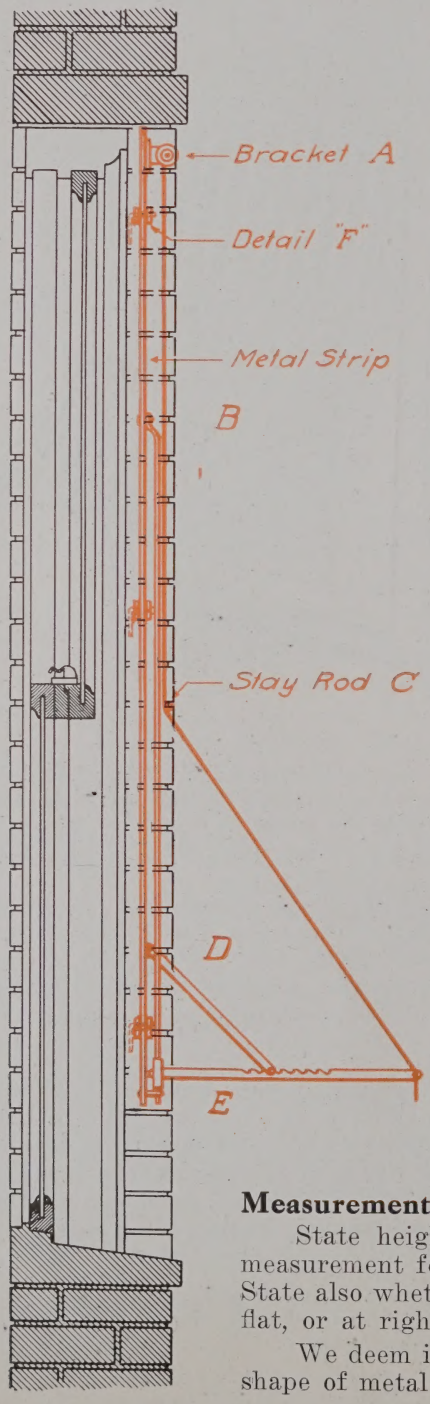
The other way is to fasten awning on screen frame. Swinging out screen about 8 inches will be sufficient to reach braces. In this case drill ¼″ hole through screen frame on top to run cord to inside. For this installation we recommend our special attachments, bracket (A) riveted to iron angle, to reinforce screen frame, as shown on the right hand window of above cut. (Additional charges for iron angles riveted to brackets are 10c per set.)

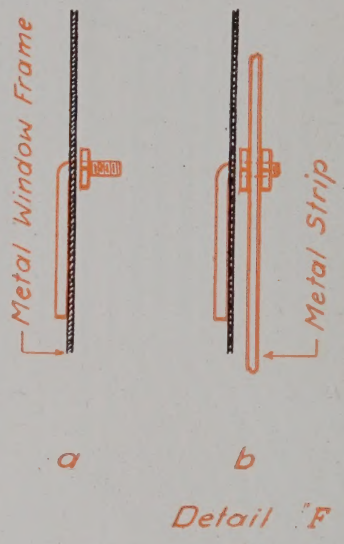
We furnish hinges for screens at cost price on request.

Instructions for Putting Up the NEW MODEL AWNING on Windows With Metal Frames (by using metal strips)

(Approved by leading architects, building managers, etc.)

A good way to install awnings on metal frame windows is to rivet awning fixtures to metal strips, and fasten same to metal window frame as shown on cut. Metal strips are made of galvanized stock, and can be guaranteed for years if properly installed.





The proper way to install them is as follows:

Drill or punch ¼" holes in metal window frame corresponding with holes in metal strip, insert bolt with one nut attached into hollow frame as shown on detail "a", and fasten metal strip to bolt with a second nut as shown on detail "b".

If metal frames are of solid iron, or if hollow, thick enough for tapping, we will furnish iron screws instead of bolts and nuts. In this case tap frames for 3/16" screws, and screw metal strip direct to iron frame.

We furnish fixtures riveted to metal strips at an additional charge of 75c up to 95c, according to length.

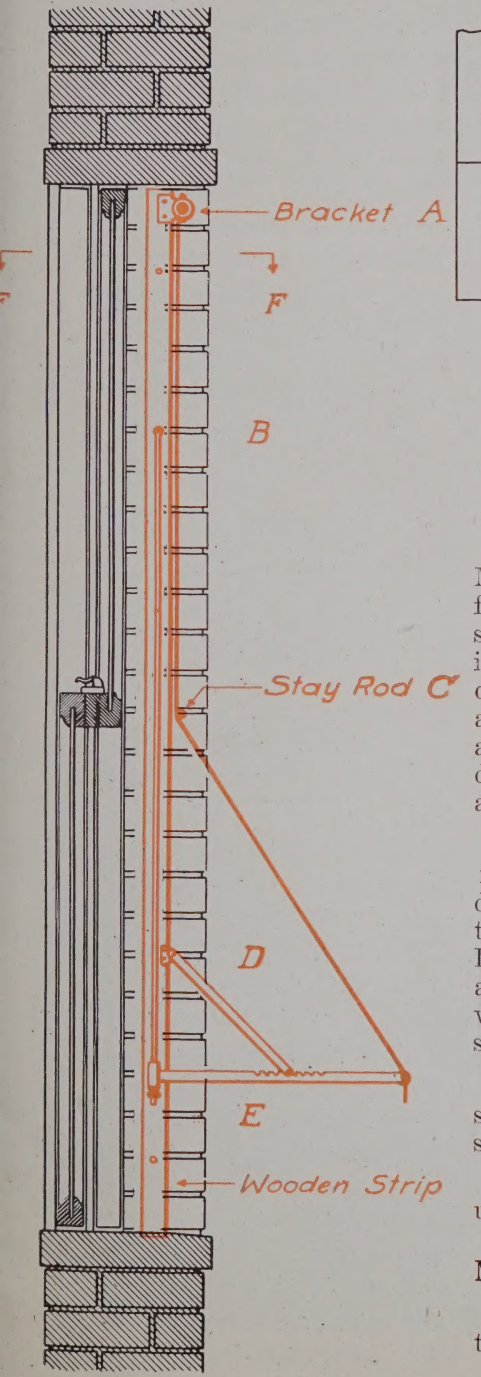
Measurement

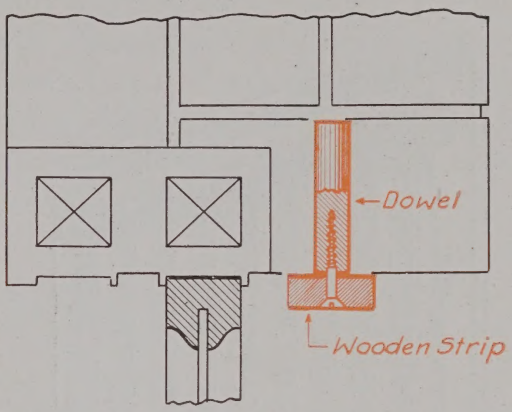
State height of outside opening, and give measurement for width from bracket to bracket. State also whether metal strips are to be fastened flat, or at right angles to the window glass.

We deem it advisable to send sketch showing shape of metal frame.

Instructions for Putting Up the NEW MODEL AWNING on Windows With Metal Frames (by using wooden strips)

(Approved by leading architects, building managers, etc.)





Section F-F

Another way to install the New Model on metal frame windows is to fasten awning fixtures to wooden strips, and latter to the brick or stone inside the window opening, as shown on cut. The wooden strips we furnish are treated with a fire-proof process, and adopted by the Board of Fire Underwriters. These strips can be guaranteed for years if properly installed.

To install same, drill three 5/8" holes in seam of brick, block holes up with dowels, and screw wooden strip down to wall as shown on section "F-F". It is advisable to fasten wooden strip as close to window frame as possible without having strip interfere with safety hooks for window washers.

We furnish wooden strips, including suitable dowels and screws, at 40c per set.

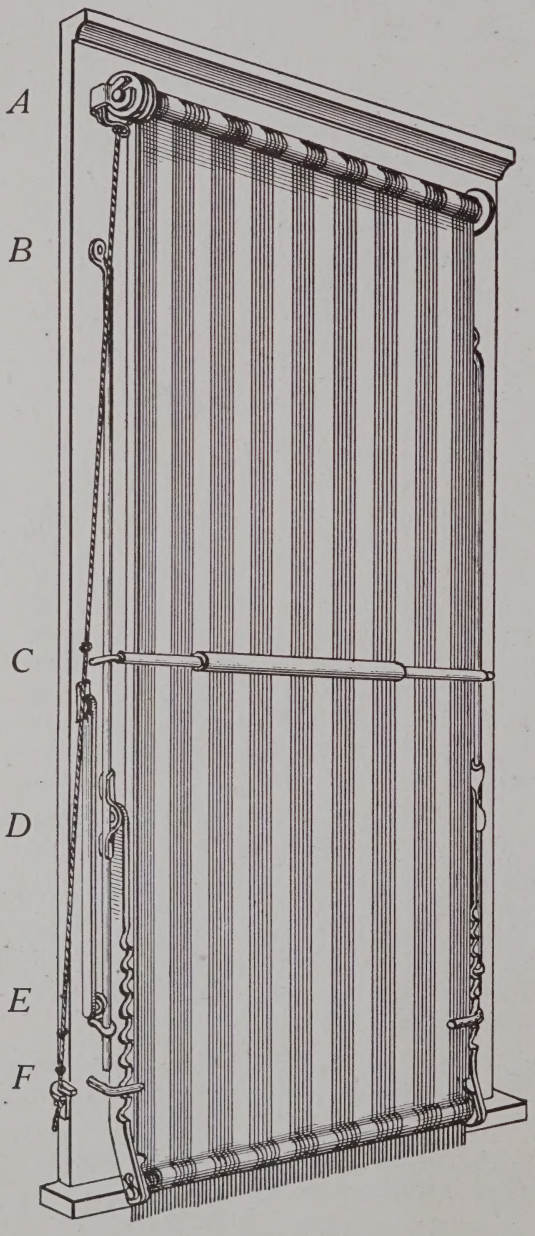
Expansion bolts (2½c each) can be used instead of dowels.

Measurement

State height and width from brick to brick.

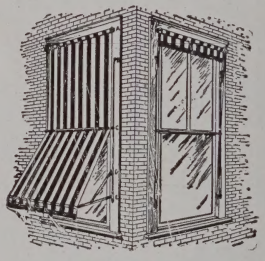
THE NEW MODEL AWNING FASTENER

(PATENT APPLIED FOR)



The Walger New Model Awning during stormy and rainy weather

The cut below demonstrates the proper outfit for bedroom windows and sleeping porches. It shows our awning in connection with the NEW MODEL AWNING FASTENER. Its purpose is to draw in awnings to give protection against storm and rain without preventing circulation of fresh air. All New Model Awnings, wherever put up, can be used in connection with the New Model Fastener.



The Walger New Model Awning during sunshine

Hook (F) should be fastened about 4 inches below angle (E).

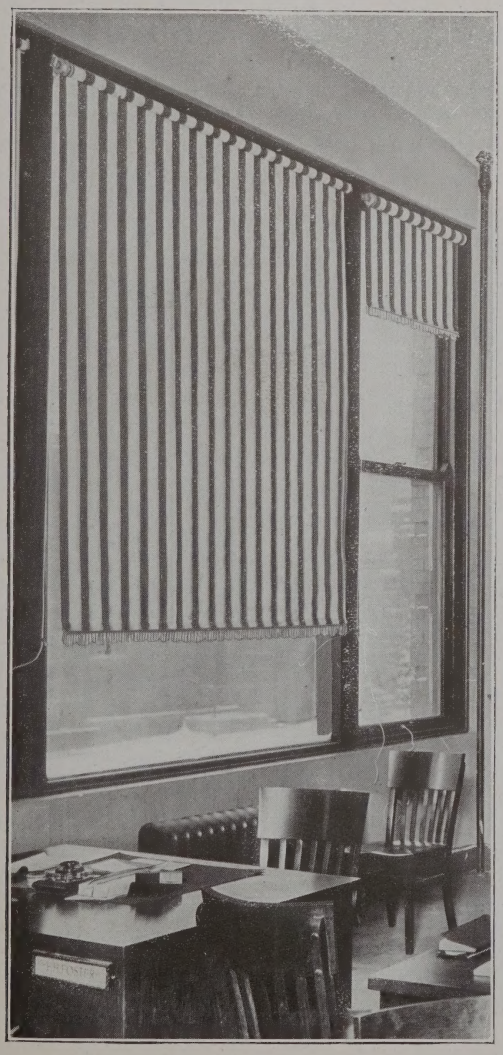
Drop awning and hook cord in last knot. Slide ratchet arms (E) up, swivel first, until in a vertical position. Stretch awning, snap arms in hook (F), and regulate stretching with toothed arms.

If you prefer to open the upper sash, awning can be fastened half-way down in the same position, using hook "C" instead of hook "F".

"2 in 1"

For Special Use in Factories, Work Shops, Offices, Etc.

Another important feature of our New Model Awning is the possibility of using it as an inside shade during winter by simply changing roller from outside to inside brackets. This shade is the most easily operated shade on the market, and there is nothing to get out of order.



As against the ordinary shade, ours subdues the glaring rays of the sun without darkening the room, giving soft and pleasing light. Besides there is no room nor expense required for storing awnings during winter, as they are up all the year round, in summer on the outside, and during winter inside.

We furnish inside brackets and cord fastener at 20c per window.

THIS IS THE MOST ECONOMICAL SHADE, AS THE ONE WHO BUYS THE NEW MODEL AWNING, BUYS AN INSIDE SHADE WITHOUT PAYING FOR SAME.

We beg to refer to photos and references shown on pages 60 to 62 of our 64-page catalogue.

INSTRUCTIONS FOR TAKING DOWN AWNINGS

(No Ladders necessary, all work done from inside.)

Open the lower sash, and let the awning down. Open locks (see page 16) by pushing same downward to release awning rod from ratchet arms (E). Close lower sash, and open upper one. Take cord out of cord guide, pull awning up, and take roller out of brackets (A), starting at the right hand bracket.

To take down stay rod (C), push same together which is easily done, as tubes are telescoping. Roll stay rod in the awning, and wind cord around.

Balance of fixtures remains on the building.

STOCK SIZES OF AWNINGS COMPLETE

This cut demonstrates how easily complete awnings can be carried in stock. Each individual awning, with all fixtures, nails, etc., required for installation, is packed in a separate box, 3¼″x3¼″, 60″ long, a label showing size and color. This manner of packing stock awnings facilitates storing away, and avoids loss and disorder of fixtures.

Showing Stock Awnings Packed Ready for Shipment

Stock awnings are made in the following sizes:

32″, 34″, 36″, 38″, 40″, 42″, 44″, 46″, 48″, 50″, 52″, 54″, 56″, 58″, and 60″ in width.

By carrying a variety of above sizes, you will be able to cover any size of windows from 30″ to 60″ in width, and up to 7′6″ in height. (If cloth is too long, roll same around roller and re-tack it.)

We also furnish stock awnings up to 96″ in width for extraordinary large windows.

Information

For Awning Makers and Awning Departments

HOW TO CUT ROLLERS, CLOTH AND CORD

Take measurement for awnings according to our instructions on pages 18 and 19.

Cut roller ¾-inch less than measurement calls for to allow for bent of brackets and play.

Cut cloth, for length, according to measurement (full length from top of window frame to sill); for width, full length of roller which will be sufficient to allow for hem at both sides.

By mounting cloth (right side up) reel must always be on right side of table. It is very important to tack cloth straight which is easily done by marking cloth just like making shades, and follow line on roller.

Cut cord twice the length of window, less 18 inches. Be sure to fasten and loop same to the reel as shown on sample awning which we enclose with fixtures.

One particular advantage derived from handling the New MODEL should not be disregarded, and is as follows: Awning makers know how precious every minute is during the season; therefore, you should consider the difference in time required for making up New Model and old fashioned awnings. The New Model, requiring one straight piece of cloth only, does not take one-third of the time necessary for making up the old fashioned awning which requires one front piece and two wings. Besides, no experienced cutters are required for the New Model Awning. Furthermore, all fixture parts of the New Model can be carried in stock, as fixtures are adjustable in width. Frames for old fashioned awnings must be made to order which means another loss of time during the season.

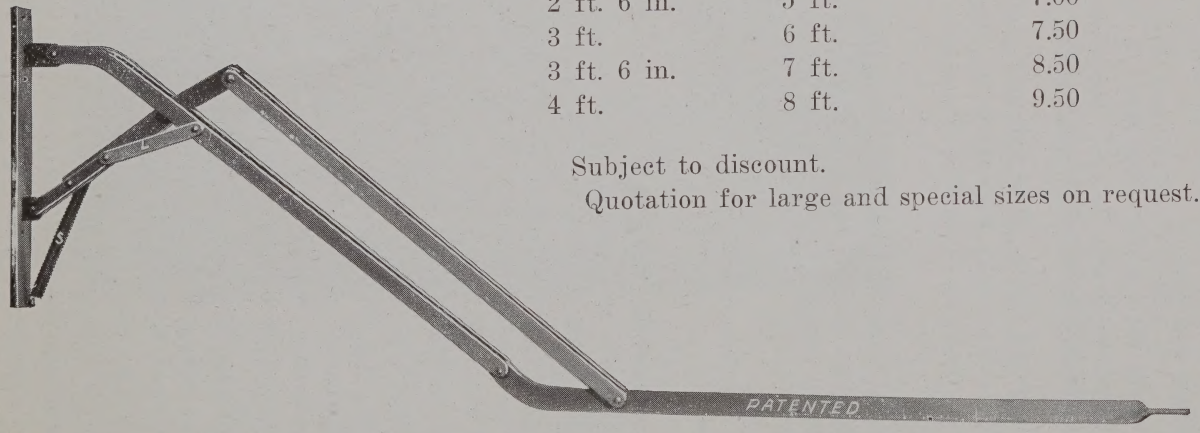
Considering these two points, we feel safe to say that at least three times as many New Model Awnings as old fashioned awnings can be turned out without increasing the working force. As almost every awning concern runs short of experienced help during the season, you will, no doubt, appreciate the fact that you can multiply your output by handling the New Model without increasing your working force. This means less expense and more profit.

The Walger Folding Arm

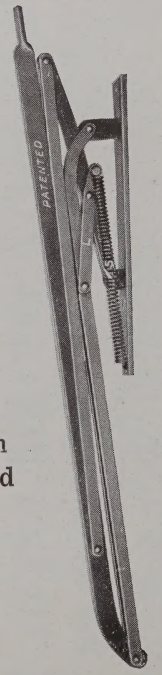
NO SLIDES.

Stock Sizes		List Price
Down	Out	per Arm
2 ft.	4 ft.	$6.50
2 ft. 6 in.	5 ft.	7.00
3 ft.	6 ft.	7.50
3 ft. 6 in.	7 ft.	8.50
4 ft.	8 ft.	9.50

Subject to discount.
Quotation for large and special sizes on request.



In extended position.



When folded up.

The Walger Folding Arm

(THE ORIGINAL AWNING FOLDING ARM)

PATENTED

The extension of old fashioned awnings, whether rope or roller awnings, was limited in a certain way. Awnings with a comparatively small drop required slides which, especially on large awnings, have proved to be a nuisance, yet they were the only means to operate these awnings until recently.

It was our aim to construct a folding arm to do away with these disadvantageous slides. We feel assured that we have finally, after two years' experimenting, succeeded in supplying this long-felt want, and are offering to the public our WALGER FOLDING ARM which is strong, simple and reliable.

THE WALGER FOLDING ARM can be used in connection with Rope Awnings, Roller Gear and Chain Awnings, and Spring Roller Awnings. If the arm is used in connection with spring rollers, the spring of the arm opposes the action of the spring roller, facilitating the operation of the awning both ways on account of its compensating action.

CONSTRUCTION AND OPERATION

The WALGER FOLDING ARM is of simple and durable construction. All parts are made of cold-rolled steel and treated by the best process known to resist rust. When awning is raised, arms are folded up into a very small space adjacent to the bracket. A bracing link (L, and S following, as shown on opposite page) connecting and pivoted to the bars, reinforces the arm, and regulates its movements. A spring (S), secured to the bracket, exerts yielding pressure to hold arm in its extended position.

SUPERIORITY

We beg to call special attention to the superiority of our Folding Arm in comparison with other makes looking almost alike. Our Arm excels its rival in that its operation is accurate to the utmost. The bracing link (L) reinforces the arm and prevents bars from moving sideways. The spring (S) assures steady motion of the arm in lowering and raising awning. The spring also tends to hold awning in its extended position, yet permitting awning to be slightly raised by strong winds, then forcing it back in its proper position. Thus abrupt lifting and dropping of awning is prevented, reducing the strain on the awning cloth. This increases the durability of the cloth which means a big saving to the user.

The construction of the WALGER FOLDING ARM is strong enough to stand any use unless out of reason. However, should it become necessary to exchange one or the other part, this can easily be done, as every part is visible, and can be replaced while awning is on the building.

GUARANTEE

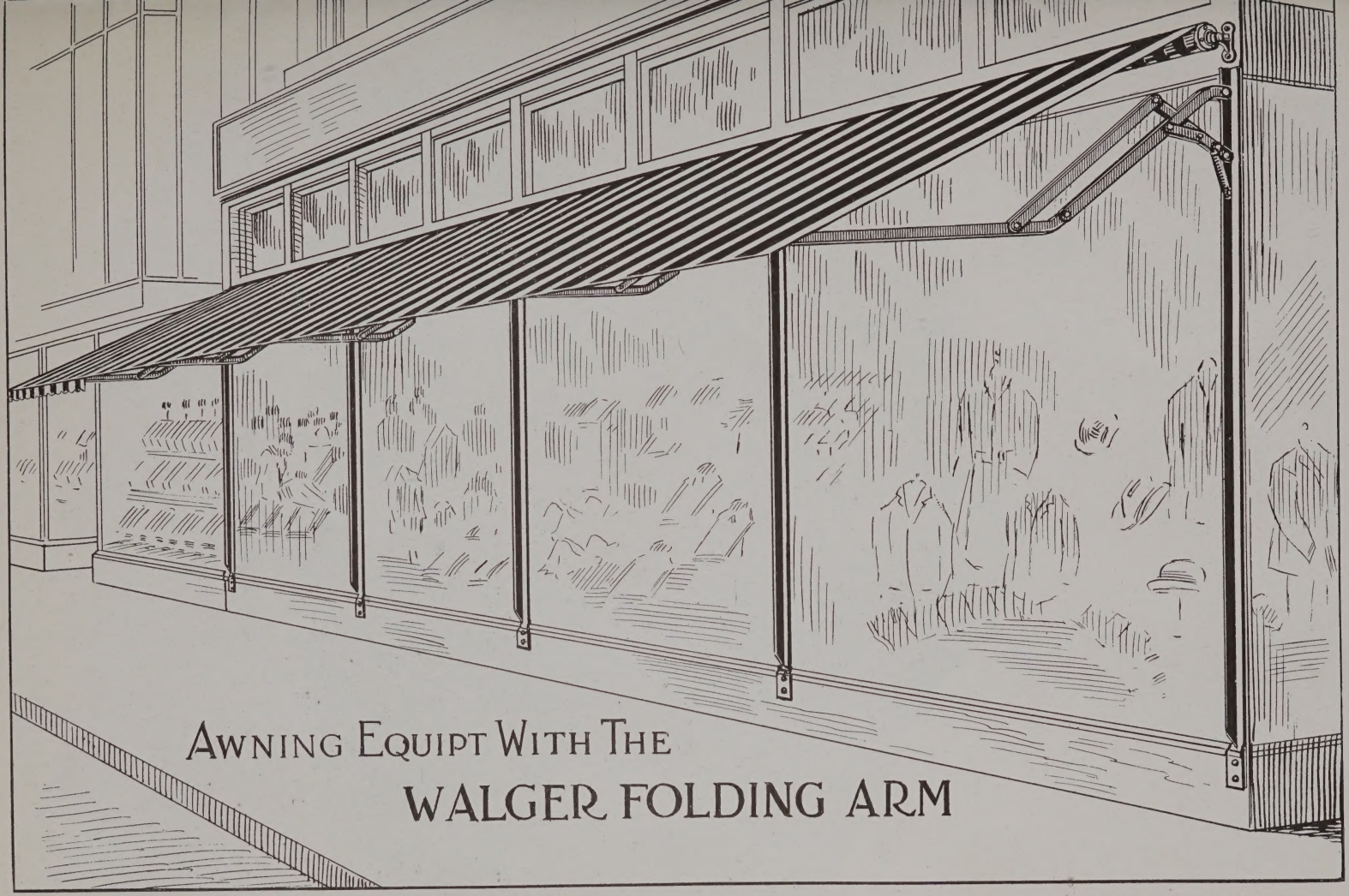
We guarantee our WALGER FOLDING ARM for the term of five years.

INSTALLATION

The WALGER FOLDING ARM is furnished with or without plates. We recommend to use plates if arms are to be fastened to brick; without plates, if arms are fastened to iron or wood, provided same be strong enough and require no plates.

We beg to refer to cut on opposite page, showing a roller awning equipped with our arm, and installed on a plate glass store front where panelling is not strong enough to resist the strain of an awning. The difficulty is overcome in a satisfactory manner by using T-iron, fastened at the top and the bottom of store front as indicated on cut.

If wood front rods are used, same can be fastened direct to the Folding Arm. For pipe of any size we furnish special clamps with bolts at 15c each. (When ordering for pipe front, state size of pipe to be used.)



AWNING EQUIPT WITH THE

WALGER FOLDING ARM

OUR CHICAGO OFFICE AND FACTORY